

INTERNATIONAL SEARCH REPORT

Internatio pplication No
PCT/IB 03/03329

2 JAN 2005

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L27/233 H04L25/03 H04L25/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SCHOBER R ET AL: "IMPROVING DIFFERENTIAL DETECTION OF MDPSK BY NONLINEAR NOISE PREDICTION AND SEQUENCE ESTIMATION" IEEE TRANSACTIONS ON COMMUNICATIONS, IEEE INC. NEW YORK, US, vol. 47, no. 8, August 1999 (1999-08), pages 1161-1172, XP000848104 ISSN: 0090-6778 page 1161, right-hand column, last paragraph -page 1162, left-hand column, line 32 figures 1,4,5 --- -/--	1-12

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

26 November 2003

Date of mailing of the international search report

12/12/2003

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International Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99 49586 A (ANDREN CARL ;HARRIS CORP (US); WEBSTER MARK A (US)) 30 September 1999 (1999-09-30) page 25, line 23 - line 27 page 48, line 16 - line 24 page 53, line 6 - line 13 figures 33,42	1-12
X	----- SCHOBER R ET AL: "ADAPTIVE NONCOHERENT DFE FOR MDPSK SIGNALS TRANSMITTED OVER ISI CHANNELS" IEEE TRANSACTIONS ON COMMUNICATIONS, IEEE INC. NEW YORK, US, vol. 48, no. 7, July 2000 (2000-07), pages 1128-1139, XP000954436 ISSN: 0090-6778	9
A	page 1128, right-hand column, last paragraph -page 1129, left-hand column, line 35 figure 1	1-8, 10-12
X	----- PARK C-H ET AL: "CHANNEL ESTIMATION AND DC-OFFSET COMPENSATION SCHEMES FOR FREQUENCY-HOPPED BLUETOOTH NETWORKS" IEEE COMMUNICATIONS LETTERS, IEEE SERVICE CENTER, PISCATAWAY,US, US, vol. 5, no. 1, 1 January 2001 (2001-01-01), pages 4-6, XP001003360 ISSN: 1089-7798	9
A	page 4, left-hand column, line 9 - line 31 figure 1	1-3, 10-12

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Information on patent family members

Internatic

pplication No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9949586	A	30-09-1999	
		US 6603801 B1	05-08-2003
		AU 2456999 A	27-09-1999
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		WO 9949586 A2	30-09-1999
		US 6563858 B1	13-05-2003